

Data Center Solutions

Let us find the solution that uniquely fits you.



Whether you rent to one customer or thousands, Sumitomo Electric Lightwave (SEL) understands that your data center requires the ability to host and store the ever-growing data demands of your tenants. You also need to securely connect them to service providers at a minimal cost. Our data center experts will assist you in creating or expanding a scalable and modular infrastructure that can be deployed quickly to maintain your service-level agreements.

To manage the complexity of day-to-day operations, you need a supplier focused on more than providing products – you need a supplier committed to solving problems in a timeframe that meets yours.

SEL has partnered with some of the biggest names in the industry to develop Ultra-High-Density Network Solutions: next-generation-thinking solutions and products that focus on security, scalability, and the continuity of your infrastructure.

Designed with your needs in mind.

Supporting You at Every Step

- Network infrastructure expertise
- Technical consultation and support
- Customer-tailored innovations and solutions
- US & global manufacturing and supply chains
- Product warranties
- Commitment to quality



Wide range of density



Scalable and modular components



Proven preterminated solutions



Innovative infrastructure management tools



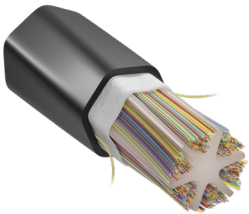
Single-source end-to-end supplier



Multitenant Use Case

A data center manager for an established financial services hosting provider is interested in deploying 3 x 1728 ribbon cables with an option to add more fibers as the customer base grows. Most importantly, they must maintain their customer service-level agreements (SLAs) and closely monitor latency neutrality among tenants. Exact cable length is vital to preserving SLAs and customer satisfaction.

The Solution: Key Components



OUTSIDE PLANT

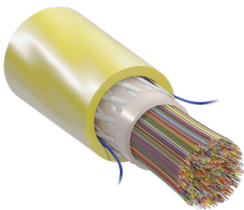
Freeform Ribbon® Conventional OSP Slotted Core Cables

- Up to 1728-f
- All-dielectric design (no grounding)
- 12-f, splice-ready ribbon groupings
- Patented Pliable Freeform Ribbon® Fiber



TN 5,184 Optical Closure

- Fiber capacity of 5184-f (24 trays)
- Durability & environmental rating of IP68



INSIDE PLANT

Freeform Ribbon® Central Tube Cables

- Up to 1728-f
- Available as I/O, Indoor, Riser, LSHF Riser, Plenum, (and Armored)
- 12-f, splice-ready ribbon groupings
- Patented Pliable FreeForm Ribbon® Fiber



Cable Assemblies

- Available in exact-length configurations
- Variations include I/O, Indoor, Armored, Riser, Plenum, LSZH, and No Jacket
- Available in Simplex, Duplex, Interconnect, and Trunk Configurations



INSIDE PLANT

Vertical Hyperscale eXchange (3K-V-HSX)

- Fiber Capacity of 3456-f (8 x 432-f Trays)
- Wall-mountable
- Compact size



PrecisionFlex® Empty Patch Panels

- 1RU, 2RU, 3RU, 4RU
- LGX & HD options



PrecisionFlex® LGX Splice Cassettes: Exact-Length

- Up to 3 MPO/MTP input ports and 24 LC duplex outputs
- Available in a range of configurations
- Factory-assembled and tested



PrecisionFlex® FOX Splice Cassettes

- LGX footprint splice cassette 24 LC duplex outputs
- Removable mounting flanges/ears (for front or back installation)
- Factory assembled and tested



DEPLOYMENT TOOLS

Splicers

- Mass Fusion or Single strand
- Light and Compact Frame
- Improved alignment with NanoTune™ technology



Cable/Assembly Spool Payoff Tool

- Up to 8 spools at time (6 shown)
- 4½-to-10 inch coil ID & 6¼-coil height
- Max. cable length of 2518 m/8262 ft (in case of 3.0 mm OD cable)



Cable Assembly Hand-held Payoff Tool

- Up to 12 jumpers at time
- Applicable to for duplex ULC connector assemblies
- Max. jumper length of 40 m



SumiMap is SEL's cloud-enabled network infrastructure management tool for the administration and management of buildings and assets through an integrated and modular cable planning and management system.